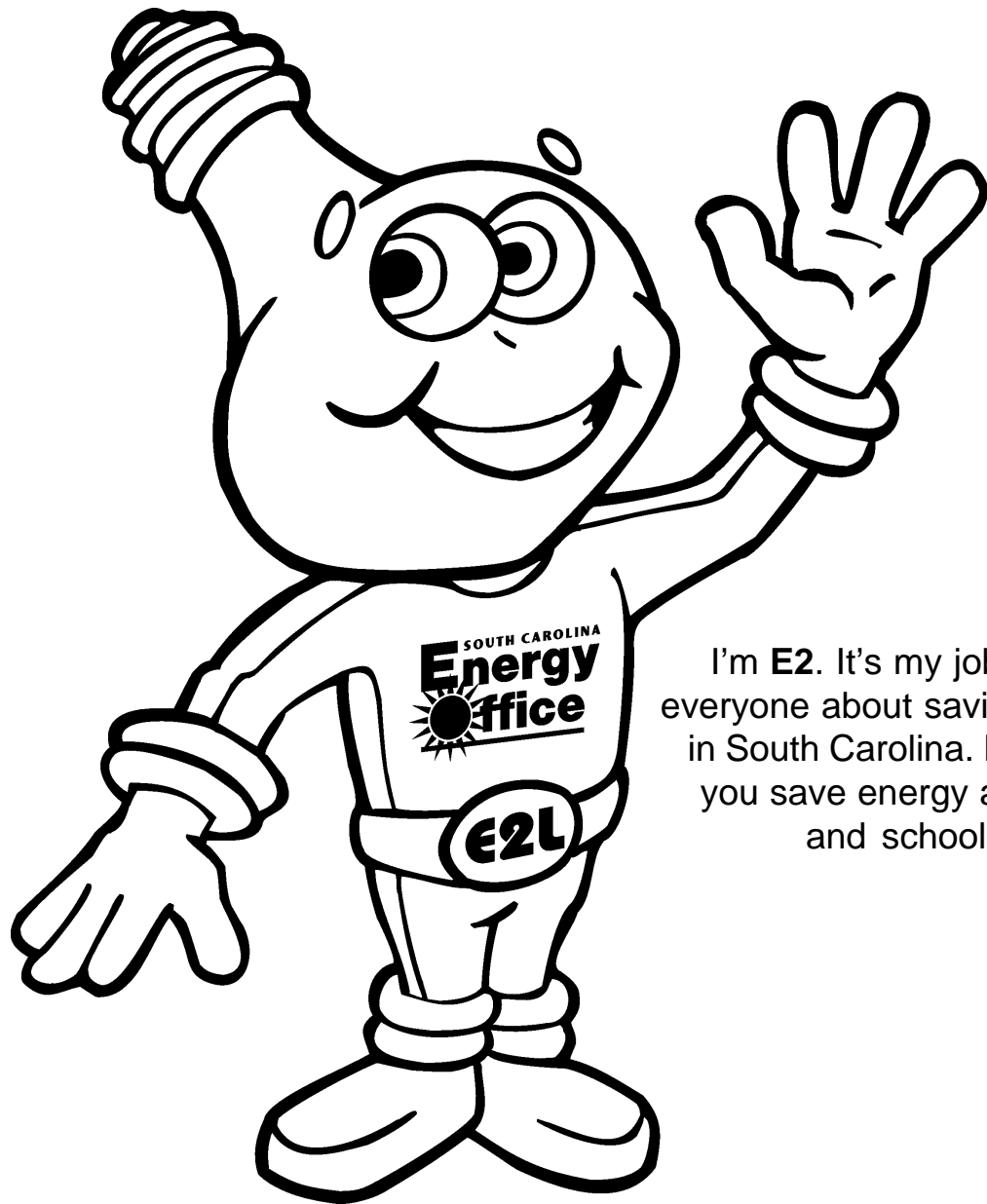


ENERGY 2 LEARN

ACTIVITY BOOK

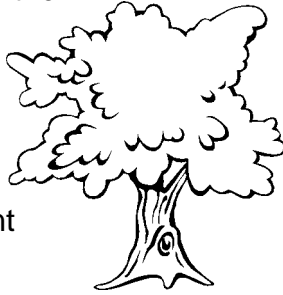


I'm E2. It's my job to tell everyone about saving energy in South Carolina. How can you save energy at home and school?

What is energy?

Did you know there are many different kinds of energy? Here is a list of the ones we use most.

BIOMASS: Biomass is grasses, trees, garbage or yard waste - basically anything that is or was plant fiber.

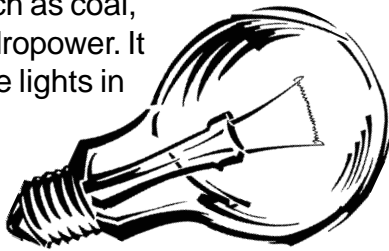


GEOTHERMAL: Geothermal energy comes from heat within the earth and is used to make electricity and provide heating.



COAL: Coal comes from deep inside the earth and is burned for heat or to make electricity.

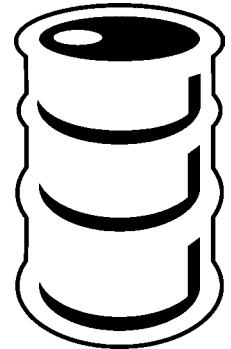
ELECTRICITY: Electricity is made from other forms of energy such as coal, natural gas and hydropower. It is used to power the lights in our homes and schools, TVs, radios, computers and much more.



HYDROPOWER: Hydropower is energy produced by moving water. It often is used to generate electricity.

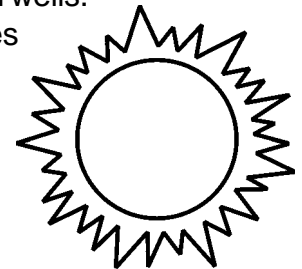
NATURAL GAS: Natural gas is a fossil fuel which most scientists believe formed millions of years ago from the remains of dead plants and animals. It often is used to heat homes or to power stoves and water heaters.

NUCLEAR ENERGY: Nuclear energy is used to provide electricity.



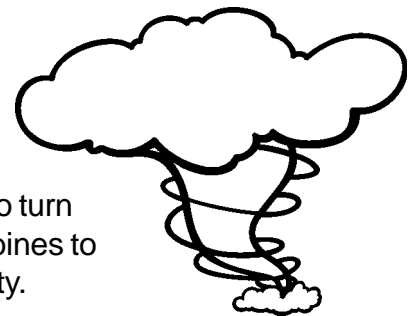
PETROLEUM: Petroleum, a fossil fuel formed from plants and animals, is used to power cars and trucks.

PROPANE: Propane comes from natural gas and petroleum wells. It is used to fuel appliances such as ranges, ovens, space heaters, furnaces, air conditioners and outdoor grills.



SOLAR: Solar energy is the light and heat provided by the sun.

WIND: Wind provides energy to turn windmills and turbines to generate electricity.



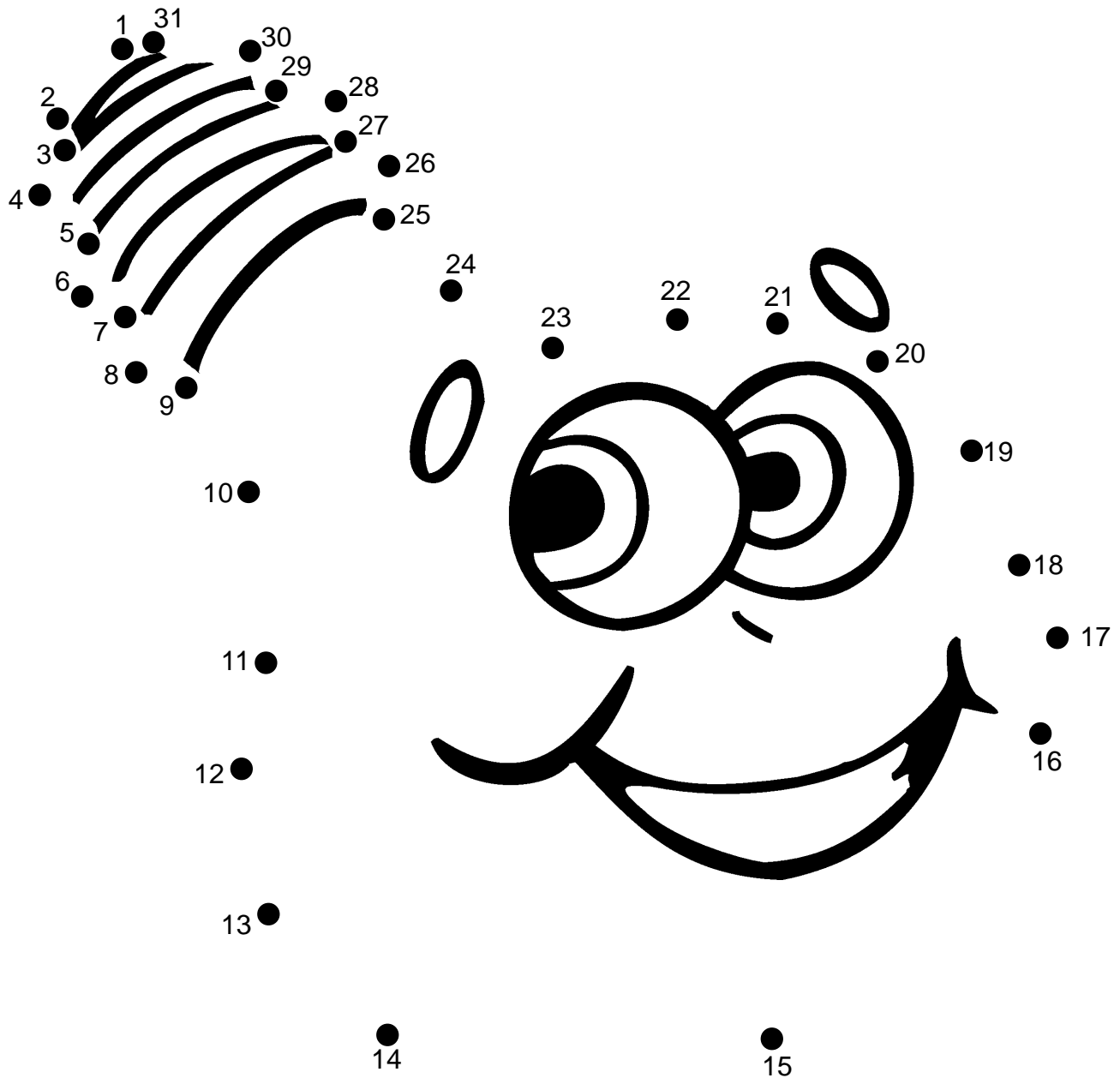
Word Jumble!

Can you unscramble the words below? The answers are provided at the bottom of the page. Hint: They're all forms of energy.

LORSA	_____
NIWD	_____
ERPOWOHRYD	_____
MISOSBA	_____
CIIRTECYETL	_____
REUNLCA	_____
OMRLTEGHAE	_____
SOSFIL ESFLU	_____
MEUEOPRTL	_____
UNRAALT SGA	_____
LACO	_____
ANSWERS: Solar, Wind, Hydropower, Biomass, Electricity, Nuclear, Geothermal, Fossil Fuels, Petroleum, Natural Gas, Coal	

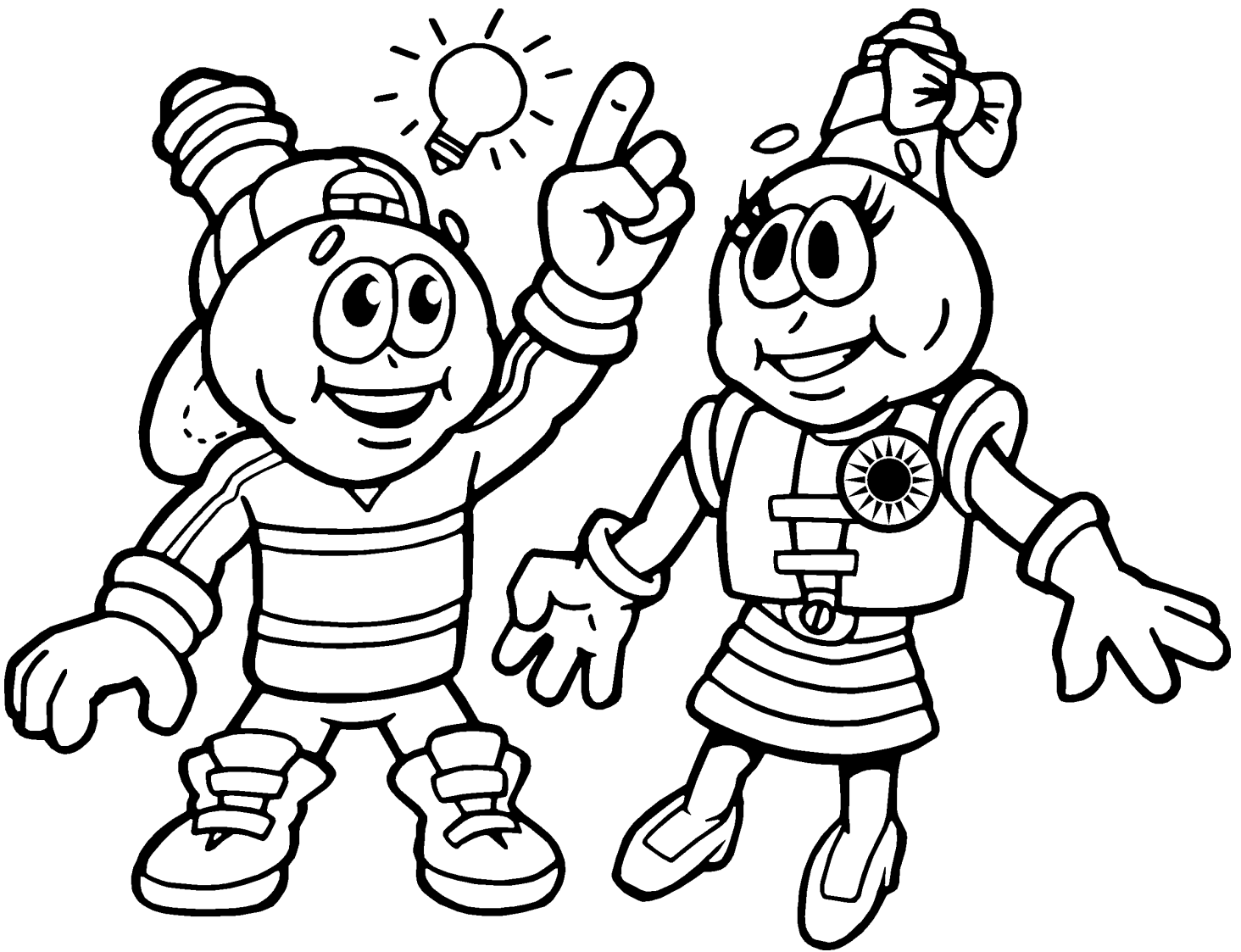
Connect the dots!

Connect the dots below and a familiar face will appear.



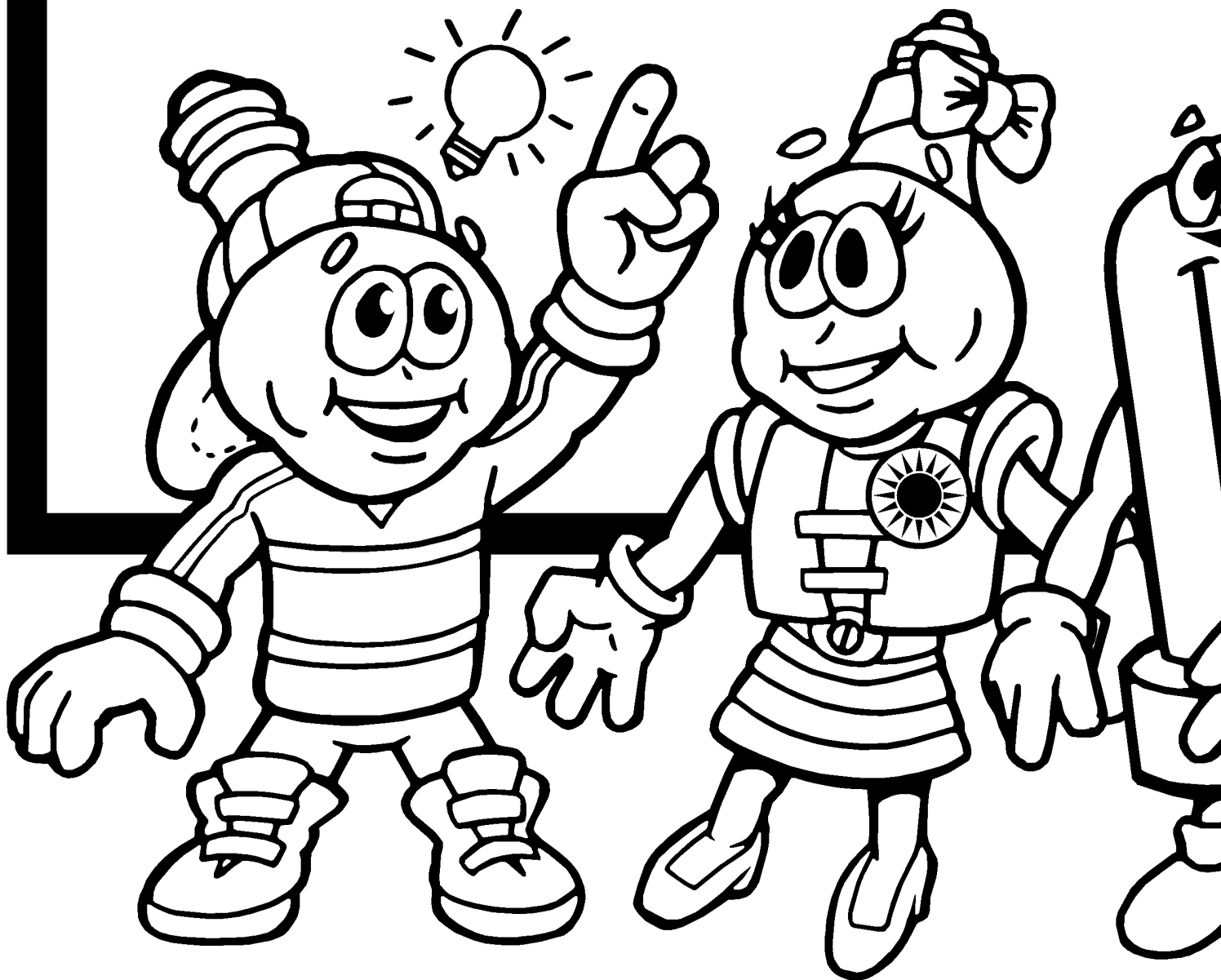
Meet the Little Es!

This is Little E and E-Tulla! They may be small, but they have big ideas for saving energy. They always turn off the lights, television, radio or computer when they leave a room. They also open the window shades to brighten their rooms with sunlight instead of turning on the overhead light. Are there some simple things you can do at home and school to save energy?



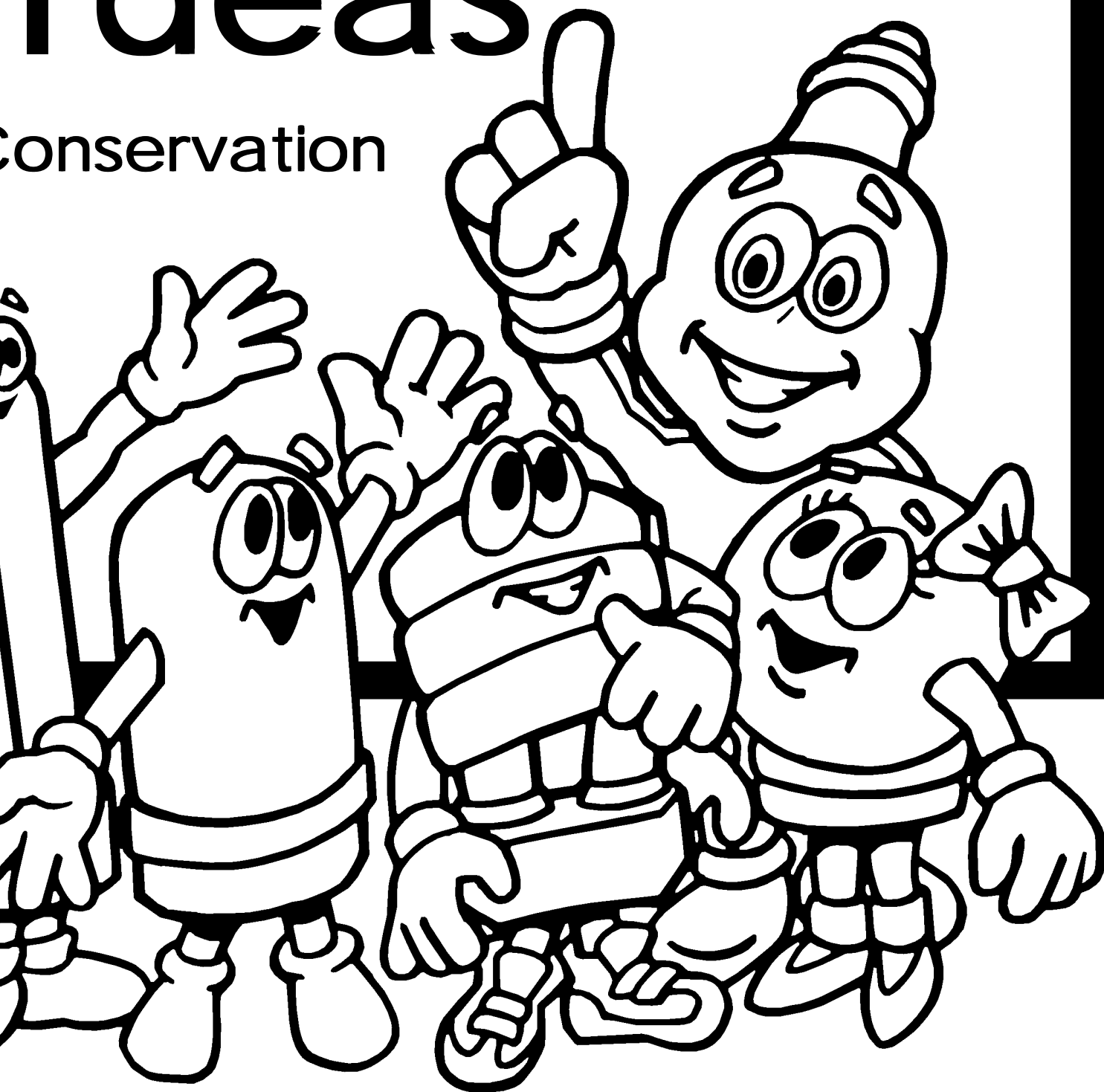
E2's Bright

Sunnydale School of Energy C



I deas

Conservation



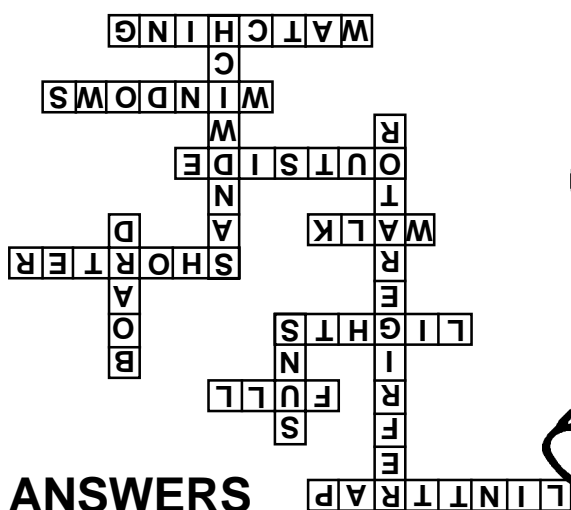
Energy Crossword

ACROSS

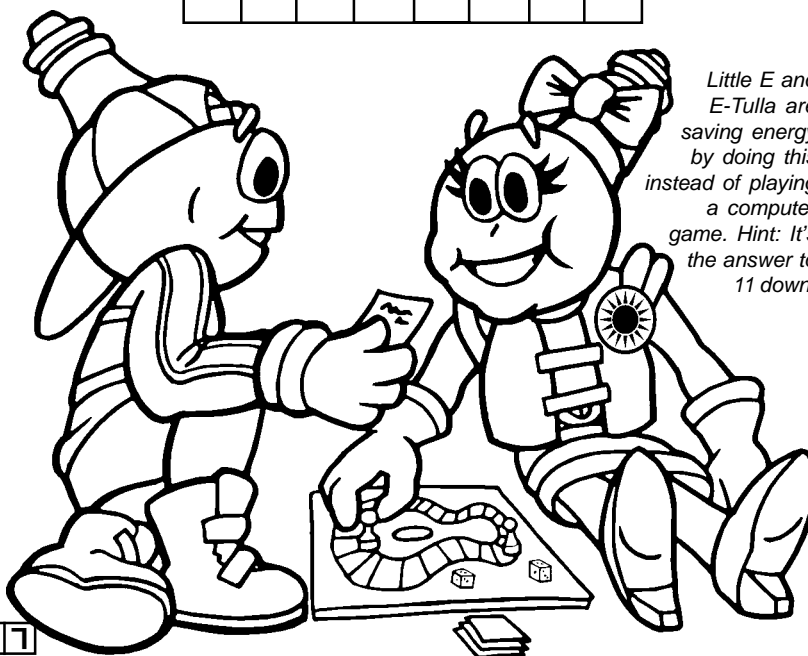
1. Clean the _____
(two words) of the clothes dryer
after every load.
2. When you do use a clothes dryer, run it only
with _____ loads.
3. Turn off the _____ when you leave
the room.
4. Take _____ showers.
5. _____ to nearby places.
6. Hang clothes _____ instead of using a
clothes dryer.
7. When it's nice outside, open the _____
instead of running the air conditioning.
8. Turn off the TV when you're not _____ it.

DOWN

4. Eat a _____ instead of cooking a hot meal.
9. Decide what you want to eat or drink before opening the _____ door.
10. Use the _____' _____ light whenever you can.
11. Play _____ games instead of computer games.



ANSWERS

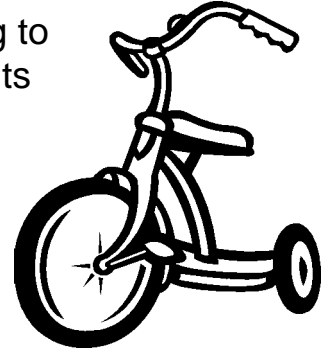


Little E and E-Tulla are saving energy by doing this instead of playing a computer game. Hint: It's the answer to 11 down.

True or False?

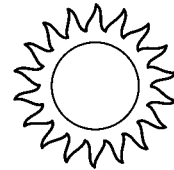
How can you save energy? Circle the T for true or F for false.

- T F 1. You can save energy by riding your bike or walking to nearby places. Stay safe! Always have your parents walk or ride with you.

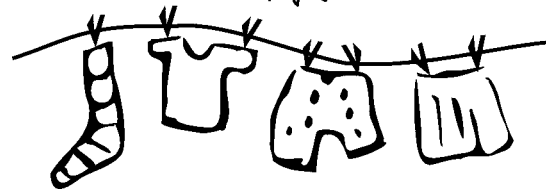


- T F 2. Leaving the television on when you're not watching it saves energy.

- T F 3. Reading a book by a sunny window saves energy.

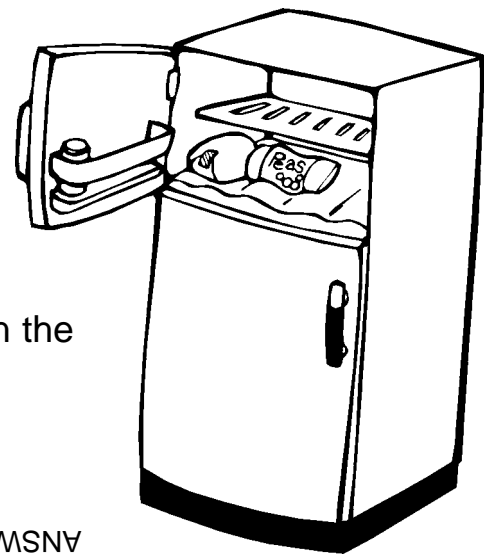


- T F 4. Hanging clothes on an outdoors clothesline saves energy.



- T F 5. You save energy by turning off the computer when no one is using it.

- T F 6. Leaving the freezer door open saves energy.

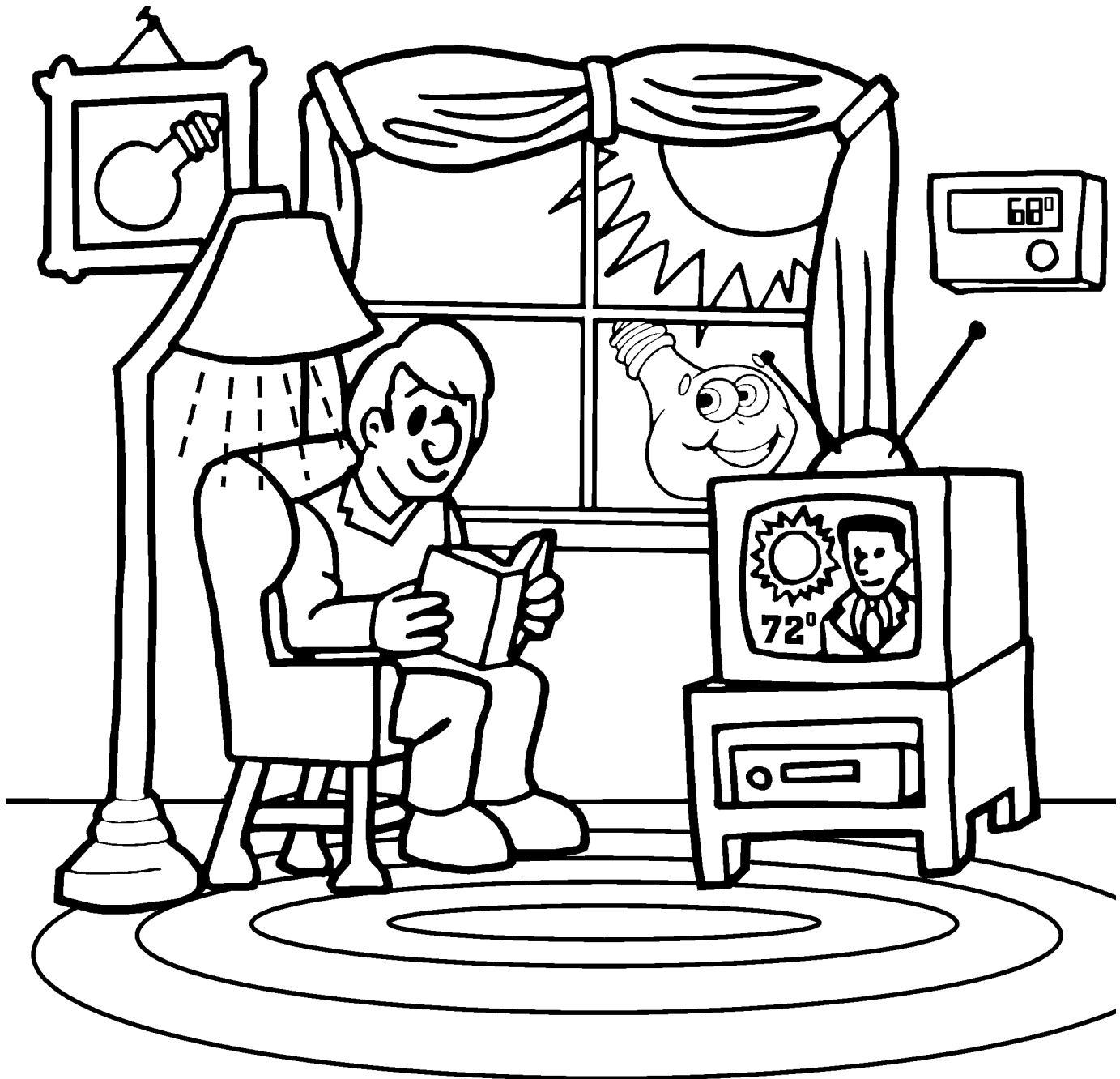


- T F 7. Deciding what you want before you open the refrigerator door saves energy.

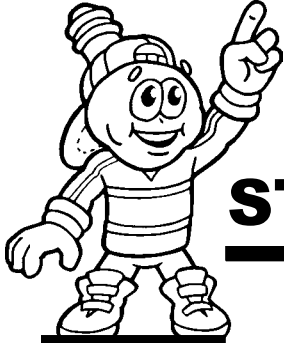
ANSWERS: 1. True; 2. False; 3. True; 4. True; 5. True; 6. True; 7. True.

Where is E2?

E2 is hidden in the picture below. Can you find him?
Also look for ways to save energy.

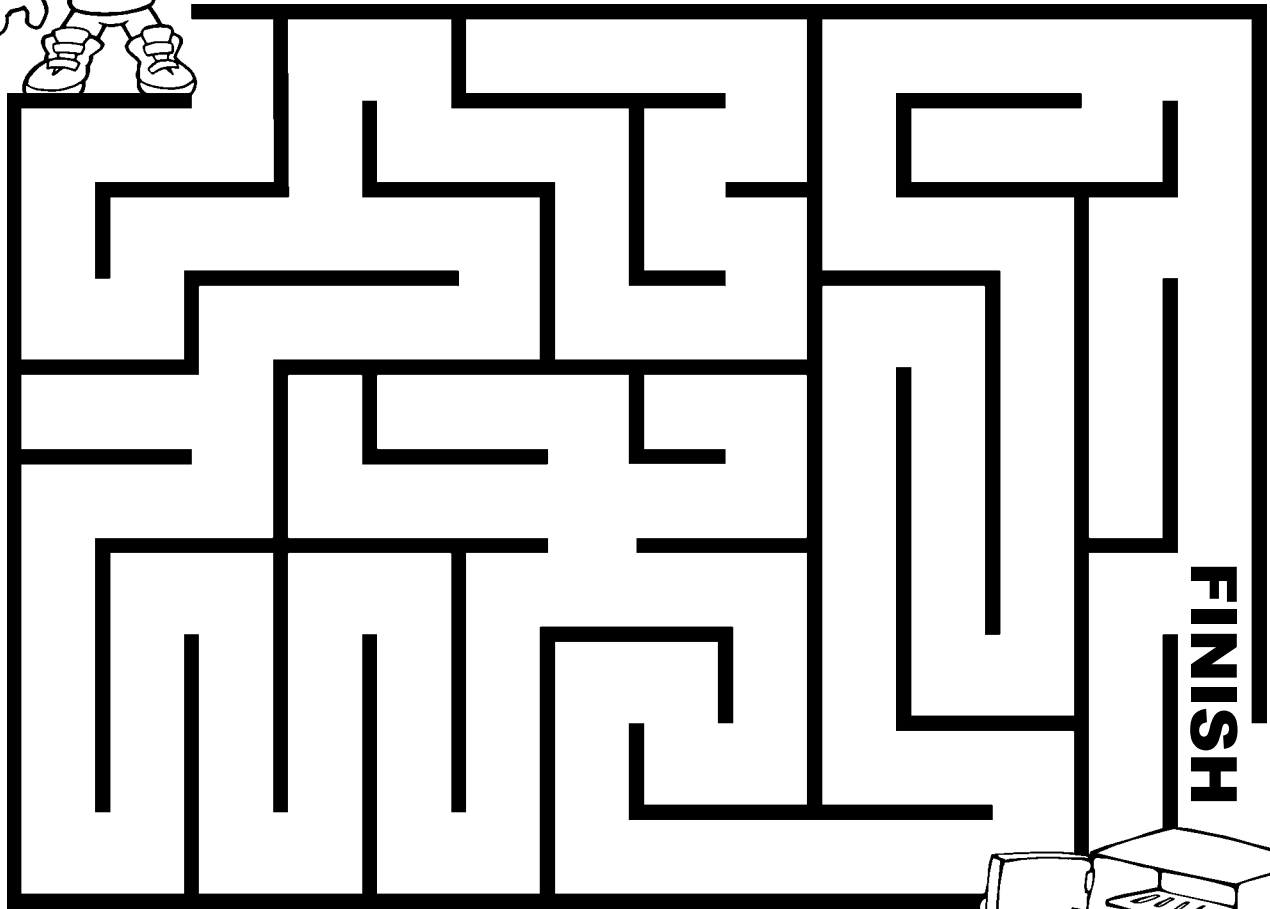


A-maze-ing!!!

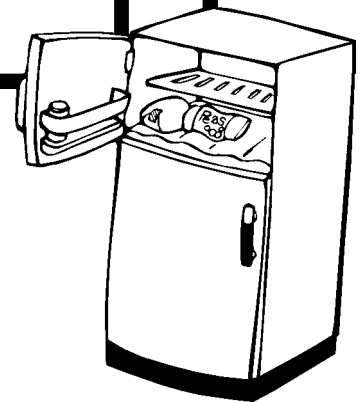


Oh no! Someone left the freezer door open! Help Little E find his way through the maze so he can close it.

START



FINISH



Drawing Time!

Draw a picture of something you can do to save energy.

